

Weekly Report

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Projects

Huawei Project

As we have got the revised back-end data querying interface from Huawei on Wednesday (contents in orange frame in Figure 1), I have changed some of the ego-network querying classes. Additionally, Fangzhou said that we were going to start the implementation of the community visualization views, I began to implement the front-end data models and back-end querying process for community data. Figure 1 shows the current class structure.

Visualization Library for Mobile Devices

On Tuesday we had a meeting with Han Kai and his teammates. We showed our design draft of bar charts and line charts. Some points should be addressed in our future work:

- Currently we should put our focus on the design of visual forms, but not several affiliated filters and selectors.
- For bar charts and line charts:
 1. Stacked bar charts should be considered next.
 2. “Pinch” on y axis will not be considered now.
 3. Multiple lines in line chart should be supported.
 4. There should be a window selection widget for line chart as an overview while zooming in and out.
- In the future we need to think more details of the interactions and adaptation of small screens. The interactions should be meaningful and listed in detail.
- It seems that there is a big gap between research and industrial application. There are a variety of application issues that Han Kai’s team pointed out, which we never considered in writing papers or implementing demos.

Plan for the Next Week

- Han Kai’s team will begin to implement a bar chart. On our side we are going to continue our design work of line charts and other visual forms.
- Continue the implementation of community structures for the Huawei Project.

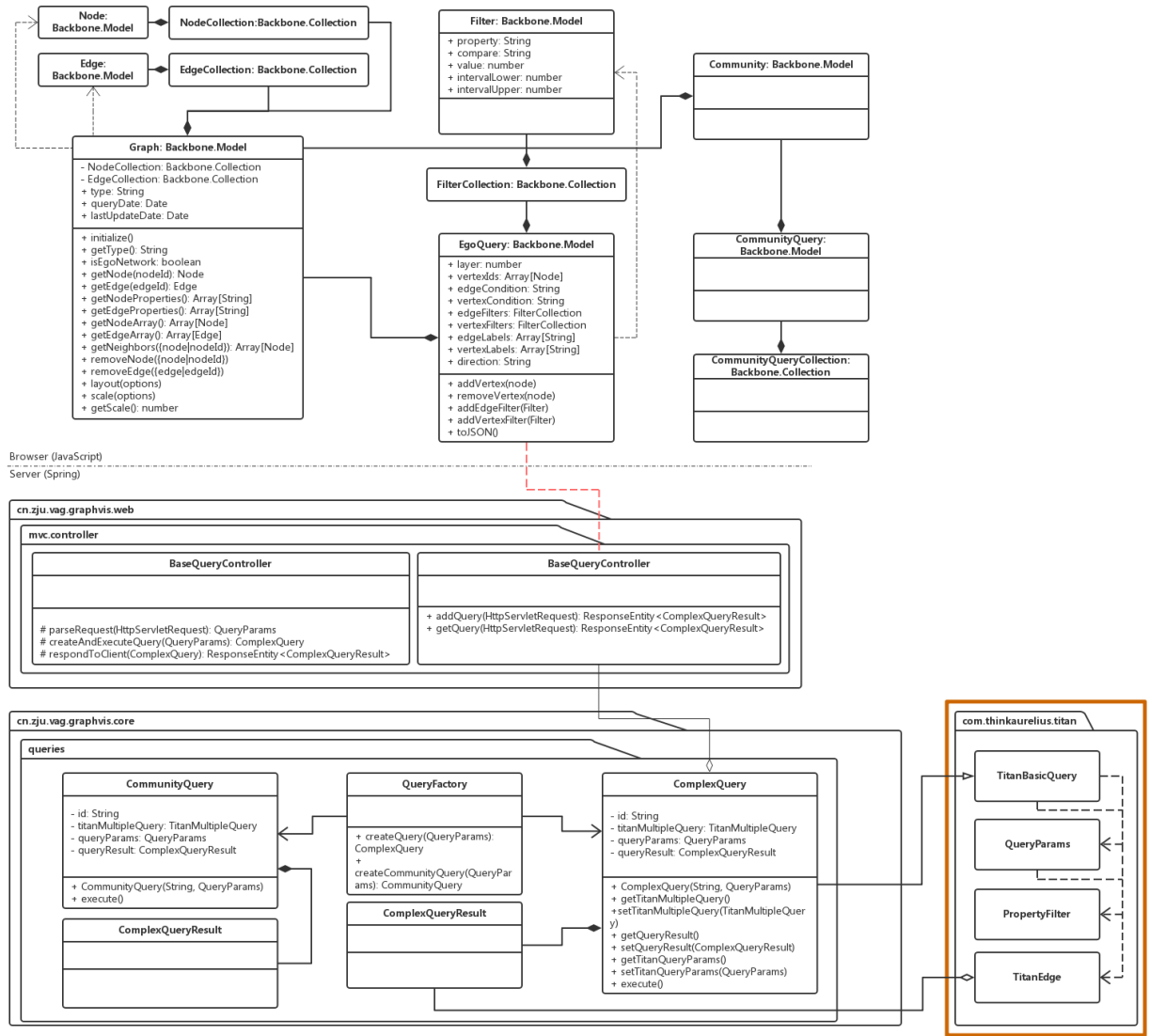


Figure 1: The class diagram of data models in the front-end and server-side modules. (Last update: 2015-11-15)